METHODS AND SYSTEMS FOR REDUCING A PROGRAM SIZE

ABSTRACT OF THE DISCLOSURE

5   A method for reducing a size of an image of a class file is provided. In this method, a first stack map that is associated with a first bytecode of a method and a second stack map that is associated with a second bytecode of the method are provided. Next, an operation of the second bytecode is applied to determine an effect on the first stack map. The effected first stack map defines a resulting stack map. The resulting stack map is then
10   compared with the second stack map. If the resulting stack map matches the second stack map, the second stack map is removed from the class file. The removal of the second stack map operates to reduce the size of the image of the class file.